

# Hadeel Elyazori

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## EDUCATION

- **American University of Beirut (AUB), Lebanon** August 2018 – June 2022
- Bachelor of Science in Computer Science Cumulative GPA: 4.0/4.0
- Exchange Semester at American University in Washington D.C. Fall 2021
- **Relevant Coursework:** Algorithms - Software Construction - Object-Oriented Programming - Software Engineering - Artificial Intelligence - Data Science - Web Development - Database Systems - Programming Languages - Numerical Computing
- **Scholarships:** Middle East Partnership Initiative Tomorrow's Leaders Program funded by The US Department of State.
- **Honors/Awards:** Dean's Honors List (all semesters)
- **Activities and Volunteerism:** Co-founded Google Developer Student Club Event organizer at CHANCE association for multiple cancer awareness and charity campaigns – Content creator at the Center of Civic Engagement and Community Service (CCECS) – Programming tutor for marginalized communities at the ECDC organization – English tutor at Help Syrian Kids
- **Online Courses:** Intro to Deep Learning with PyTorch - Applied Data Science with Python - CS50's Introduction to Artificial Intelligence - Data Science: Foundations using R - Genomic Data Science Specialization

## PROFESSIONAL EXPERIENCE

**American University of Beirut (AUB)** Mar 2021 — Present  
Undergraduate Research Assistant

- Assisting by getting involved in machine learning code development to be ready for research usage.
- Built Artificial Intelligence models for medical academic projects related to diagnostic pregnancy.
- Generalized models to work on any disease for statistical analysis through creating an R package for it.

**Dar Al-Handasah** June 2021 — Present  
Machine Learning Intern

- Worked on research related to the automation of parameters to minimize heat gain in buildings
- Implemented a python script that achieves the automation process and compared it to manual work
- Worked on a machine learning model that is expected to output best building shapes for heat insulation

**Center for Civic Engagement and Community Service (CCECS) – AUB** Dec 2018 — Jan 2019  
Undergraduate Research Assistant

- Assisted in research addressing social challenges and supported community-based projects led by the CCECS.
- Attended a 3-days training workshop that provided the needed skills to conduct interviews with refugees.
- Prepared multiple presentations to show results and insights using graphical visualizations extracted using Python

## LEADERSHIP/PROJECTS

**Covid19 Analysis Shiny App** Oct 2021 — Present

- As part of the Data Science course, I am taking in my exchange semester, I am currently developing an R Shiny app to allow users to perform data manipulations, numerical/graphical analysis and statistical modeling and tests.
- Used the COVID19 Cran package for data, alongside tidyverse and shiny packages for cleaning and development of the app.

**PRECAUID (Face mask detection)** Aug 2020

- As part of Beirut AI Bootcamp's final hackathon, I was the leader and among the technical people on the team.
- We collectively developed an AI model using OpenCV and TensorFlow/Keras that can detect face masks in static images using deep learning and computer vision.

**Qvirt (Online queueing system)** Jan 2021 — May 2021

- As part of a software engineering course that I was enrolled in, I lead a group of 4 members working to develop a web application that mimics traditional waitlist systems, using QR codes.
- For the backend we used Django as a backend framework to coordinate between the different users' interfaces that we created using HTML, CSS, JavaScript, and the MySQL database we linked to our application.

## EXTRACURRICULAR ACTIVITIES/ LEADERSHIP

**She Speaks Science, Beirut, Lebanon** Feb 2021 – June 2021

- Participated in the two-way mentorship STEM oriented program PENTA.
- I was amongst 33 empowered women from across the globe who were chosen to participate as both a mentor and a mentee.

**AI Ready Academy – Zaka/Microsoft, Beirut, Lebanon** Dec 2020- Mar 2021

- Got introduced to concepts of data science, machine learning, artificial intelligence, and Azure cloud computing.
- Became Microsoft certified for AZ-900, DP-900 and AI-900.
- Participated in final hackathon with a hate speech detection project done using NLP.

**AI Bootcamp – Beirut AI, Beirut, Lebanon** Aug 2020

- Experienced hands-on online workshops in data science, deep learning, computer vision, NLP and time series.
- Created a real-life solution, which is a facemask detector using computer vision.

## SUMMARY SKILLS

Languages: English (Proficient), Arabic (Fluent)

Programming languages: Advanced in Python, C++ and Java, Intermediate in C#, R, Matlab

Quantum Computing: Algorithms and building logic circles

Web development: HTML, CSS, JavaScript, Ajax, Django

Machine Learning and Data Analysis: PyTorch, Keras, TensorFlow, Tidyverse and Dplyr packages

Database Management: SQL, MySQL